Global TRI Education: How Can We Work Together?

Shigeru SAITO, MD, FACC, FSCAI
Kamakura & Sapporo, JAPAN
August 14, 1992:
- Kiemeneij did the world-first case of transradial coronary intervention in ADIC-OLVG hospital at Amsterdam.
  - Percutaneous transradial artery approach for the coronary artery stent implantation.

Since October 1994:
- Kiemeneij started the annual live course for TRI in Barbizon Palace at Amsterdam.
The Beginning of TRI

Since early 1995:

- Dr. Wu started transradial coronary angiography and angioplasty in Taipei.

October 1995:

- I visited Dr. Wu and recognized that TRI was feasible also for small-body Asian patients.
- I completely started TRI in JAPAN.
The Beginning of TRI

- **During TCT 1996:**
  - Fajadet transmitted TRI cases from Clinique Pasteur at Toulouse to TCT main arena.

- **Spring 1996:**
  - I started to use the name of TRI.
  - I demonstrated TRI in many patients during Kamakura Live Demonstration Course in front of young Japanese and Asian physicians.
The Beginning of TRI

◆ Spring 1997:
  ◆ I demonstrated TRI video cases in front of many Cardiologists during the annual meeting of Japanese Circulation Society.

◆ Since 1997:
  ◆ I started to visit many hospitals all around Japan and in Asia to teach how to do TRI.
In the early stage of TRI

- We had very strong attacks against TRI from senior Interventional Cardiologists.
- However, relatively young physicians were eager to be familiar with new techniques like TRI.
- They gradually started TRI in their hospitals in the absence of their boss.
- Both patients and hospital staffs liked TRI more and more.
Transmission to TCT1999
Transmission to EuroPCR2000
In the early stage of TRI

- The offensive pressure against TRI was something like the fighting between younger and older generations.
- I called this war as Radialist versus Femoralist.
- To break this situation, I kept open for all comers and tried to propose scientific evidences in English literatures.
Visiting Brazil in 1999

I held a small workshop on TRI in Sant Cruz Hospital on August 3\textsuperscript{rd}, 1999 with Drs Otsubo, Takimura and Arie.
TRI from Clinique Pasteur in Toulouse during EuroPCR 2005
TRI from Clinique Pasteur in Toulouse during EuroPCR 2007
1st TRI in Dante Pazanesse in Sao Paulo in 2007
### Where is Dr. Saito? — Select and Click to Go!

Ver 1.1 Programmed by S. Saito using HTML, CSS, PHP and MySQL (2007.11.29)

Select Nation & Click:
- Select Year & Click:

Sort by Departure Date | Sort by Date (reverse) | Sort by Nation Name | Sort by Area

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168 nations in 5 years > 35 nations a year
World Map
Thus, I am definitely one of the evangelists for TRI!
Steady Increase in the Penetration of TRI in Japan

According to the Annual Surveillance by Japanese Society of Interventional Cardiology
Transradial coronary Intervention Registration Investigation in China - 2007

Wang Lei on behalf of TRI-China2007 Collaboration Group
2008.03.20
Reclaiming results of questionnaires

Total 91 questionnaires were reclaimed, 20.0% of all.

90 complete questionnaires were analyzed.
Prevalence of TRA/TRI in 2006 and 2007 in China
DRAGON Trial
Decision between trans Radial and Groin PCI
Study Design

- Open-labeled prospective randomized trial between TRI and TFI
- Before starting angiography or angioplasty, after getting an informed written consent, by accessing to a specified Web page, the case is randomized.
After taking angiograms, if the case can be reasonably treated by PCI, PCI has been done by the assigned approach.

All of the cases shall be checked clinically 12 months after the procedure.
Study Hypothesis

◆ Efficacy Hypothesis (Primary efficacy endpoint):
  ◆ Clinical outcomes at 1 year is non-inferior in TRI versus TFI.
◆ Safety Hypothesis (Primary safety endpoint):
  ◆ Bleeding complication rate at the index hospitalization is lower in TRI versus TFI.
Primary endpoints:

- Efficacy endpoint is tested by “non-inferiority” assumption.
- Safety endpoint is tested by “superiority” assumption.
Secondary endpoints:
- Hospital stay
- Medical cost
- Procedure duration
- X-ray radiation
- Contrast consumption
- Success rate
- Cross-over rate, etc
I am annually holding these meetings with live demonstration of TRI:

- Friendship Japan-Asia TRI Seminar
- Rounding different countries in south east Asia
- Friendship Japan-Korea TRI Seminar
- Friendship Japan-China TRI Seminar
Conclusion

◆ Japan has a lot of problems due to the recent history in Asia.
◆ TRI is one of the best tools to promote mutual friendship and communication between Japan and Asian countries.
◆ It is the spectacular power of TRI.